NISTIR 6774

Workshop On Fire Testing Measurement Needs: Proceedings

William Grosshandler (Editor)





National Institute of Standards and Technology Technology Administration, U.S. Department of Commerce

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U.S. Department of Commerce

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G. IMPLICATIONS OF GLOBALIZATION ON U.S. FIRE TESTING

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European Group of Official Laboratories for Fire Testing

EGOLF

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Background

- Founded 1988 effectively as a Trade Association
- Provides focus for European fire testing issues -Technically Oriented Not Commercial
- Members independent, nationally recognised laboratories testing in support of national legislation or consumer safety requirements
- Membership 47 laboratories from 22 different countries, (EU, EFTA and Eastern Block)(all points west of the river Eur)

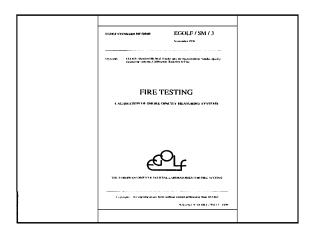
EGOLF Members Interest Areas

- Buildings and Structures
 - -testing
 - assessment
 - certification
 - research
- Active Fire Protection
- Transport
- Building Contents

EGOLF Structure Assembles Generals PLEMATY COMMITTEE Consel de Guranes ELECUTIVE COMMITTEE COMMITTEE COMMITTEE Residints Fire Residints Fire Ad Nos Groups Direct and Estanded Applications Ad Nos Groups Estanded Application Enthaled Application Ad Nos Groups Estanded Application

EGOLF Strategic Aims - 1

- Mutual Acceptance of Test Reports
- Unified Fire Testing and Laboratory Quality Procedures, including issuing interpretations, technical resolutions and standards where none exist





EGOLF Strategic Aims - 1

- Mutual Acceptance of Test Reports
- Unified Fire Testing and Laboratory Quality Procedures, including issuing interpretations, technical resolutions and standards where none exist
- Promote Research and Testing
- Provide Training for Technicians
- Provide Minimum Level for Equipment and Expertise (set improvement targets)

EGOLF Strategic Aims - 2

- Provide a Forumfor Collaboration on Fire Matters in Europe (with legislators, industry and other European or Non European Bodies)
- Cooperation with inspection and certification bodies (towards product approval in EEA)

EGOLF Competency Groups

- Forums in which members agree to work together to improve the quality of their work and the technical ability and expertise of their staff
- Usually one group per test method or application method (FR)
- Work together to achieve harmonisation of testing procedures
- Achieve mutual recognition of results, reports or certificates

Mutual Confidence

- Proof of compliance with the various EU Directives is achieved by working with a Notified Body
- An official mark on a product(e.g CE mark) ensures its marketability throughout the EES, therefore there must be confidence in the Notified Body approving the product
- Most EU Directives require compliance with EN 45001 for "Notified Test Laboratories" (to ensure quality)
 - (EN 45001 is the ISO 9000 equivalent for laboratories, similar to ISO Guide25)
- Mutual acceptance between accreditation bodies is not a good enough basis to provide confidence

BUT......

- EN 45001 is insufficient to <u>fully</u> cover the work of "official <u>fire test</u> laboratories" and prove their competence because:
 - fire testing is not absolute, a degree of subjectivity exists
 - the role of the "official fire test laboratories" is more than just testing. They
 - perform assessments, extrapolation of test results and expert judgement
 - provide inspection and certification activities
 - give technical advice to regulators
 - play a major role in the EN standards writing / proving process.

Mutual Confidence

- within EGOLF mutual confidence is fostered by :
 - long term experience in cooperation and working together
 - known security of existing informal arrangements
 - developing and using same technical standards
 - peer audit [by other member laboratories]
 - inter-laboratory training and proficiency testing programmes.
 - knowledge that the "official" members are wholly independent fire test laboratories.

EN 45001 and ISO/EN 17025

- Problems in Enforcement
- Impracticability of calibration to national standards
- Reference materials [size and variety]
- Uncertainty of Measurement determination
- National Accreditation Bodies apply variable interpretations & some technical assessors have little or only recent experience

EGOLF is working to create Interpretation Guidelines for EN45001and ISO/EN17025



EGOLF Achievements

- Driving force behind the work of CENTC 127 and solving its problems
- Focus of Collaboration between EC and Notified Bodies to pull together CPD elements (EGOLF hold Chairmanship of Fire Sector Group of NB and 80% of membership)
- Instrumental in providing interlaboratory studies on CEN tests to achieve harmonised standards
- Without EGOLF there would be no confidence in the harmonisation process in Europe

Preparing for a Global Market

- The European Market has grown beyond the EU countries (EES) and continues to grow.
- Other areas eg. Marine, already have a global market
- Same problems of mutual confidence exist
- Solution a global approach to harmonised fire testing with confidence in each others abilities and the ability to work together as a team

International Co-ordination

- Problems language/distance
- Regional bodies within a global umbrella
 - EGOLF (Europe)
 - NAGOLF (US & Canada)
 - -ASIAGOLF (Pacific Rim)
 - SAGOLF (South America)
 - AFGOLF (Africa)
- IGOLF (International Federation)